

Appln No. 10/668,659
Amdt date September 7, 2006
Reply to Office action of May 23, 2006

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An adjustable pocket drilling fixture comprising:
a base having a base face adapted to engage a workpiece;
a clamp body having a first clamping face;
a clamping structure interengaging said clamp body and said base, said clamping structure including a clamp actuator positioned adjacent to said base to move said clamp body in a clamping direction;
a guide carrier disposed on said base and having a second clamping face which is substantially perpendicular with respect to said base face; and
at least one drill guide in said guide carrier, said drill guide having an axis which angularly slantly intersects said second clamping face, said guide carrier being movably mounted on said base to move in a substantially perpendicular direction with respect to said base face to permit drilling at a selected position of a face of the workpiece.
2. (Previously Presented) The adjustable pocket drilling fixture of Claim 1, further comprising an upright structure disposed on said base to engage said guide carrier so that said guide carrier can be positioned at a predetermined distance from said base.
3. (Currently Amended) The adjustable pocket drilling fixture of Claim 2, wherein said upright structure comprises at least ~~one of at least one bar, a channel, a pocket, or a plate having a slot formed therein,~~ wherein said guide carrier has at least one corresponding opening for said bar, ~~a block for said channel, a chunk for said pocket, or a fastener for said slot in said plate, respectively,~~ such that said guide carrier can be moved and positioned with respect to said base.

Appln No. 10/668,659
Amdt date September 7, 2006
Reply to Office action of May 23, 2006

Claims 4 and 5 (Cancelled)

6. (Previously Presented) The adjustable pocket drilling fixture of Claim 1, wherein said clamp actuator is positioned at an opposite side from said clamp body and adjacent to said base so that clamping and drilling the workpiece can be accomplished on the same side.

Claims 7-10 (Cancelled)

11. (Previously Presented) The adjustable pocket drilling fixture of Claim 2, further comprising a quick engagement used to slidably couple said guide carrier and said upright structure, wherein said quick engagement can be disengaged to slide said guide carrier with respect to said upright structure, and engaged to fix a position of said guide carrier with respect to said upright structure.

12. (Currently Amended) The adjustable pocket drilling fixture of Claim 2, ~~at least one~~ wherein said guide carrier is slidably mounted on said upright structure in a direction substantially normal to said clamping direction and to said perpendicular direction.

13. (Previously Presented) The adjustable pocket drilling fixture of Claim 12, further comprising a linear ratchet mechanism which engages said guide carrier and said upright structure, wherein said linear ratchet mechanism can be unlocked to slide said guide carrier with respect to said upright structure, and locked to fix a position of said guide carrier with respect to said upright structure.

Claims 14-18 (Cancelled)

19. (Previously Presented) An adjustable pocket drilling fixture comprising:
a clamping face, said clamping face defining a plane;
a guide carrier, at least one drill guide in said guide carrier to guide a step drill, said drill guide having an axis which angularly intersects said plane of said clamping face; and,

Appln No. 10/668,659
Amdt date September 7, 2006
Reply to Office action of May 23, 2006

indicia disposed on a shank surface of said step drill, wherein said indicia are indicative of workpiece thickness.

20. (Previously Presented) An adjustable pocket drilling fixture comprising:
a clamping face, said clamping face defining a plane;
a guide carrier, at least one drill guide in said guide carrier, said drill guide having an axis which intersects said plane of said clamping face; and
indicia formed on a surface in-between said plane and an entrance of said drill guide, which has a relationship to said axis, wherein width of said indicia is substantially equal to an internal diameter of said drill guide.

21. (Cancelled)

22. (Currently Amended) The adjustable pocket drilling fixture of ~~Claim 3~~ Claim 2, further comprising means for determining the position of said guide carrier with respect to said base, said determining means comprising at least one of indicia which are indicative of workpiece thickness, or detents, a turret, ~~a ratchet, or teeth~~, wherein said determining means is disposed on at least one of said guide carrier, said upright structure or said base.

Claims 23-24 (Cancelled)

25. (Previously Presented) The adjustable pocket drilling fixture of Claim 1, further comprising a third clamping face formed in said base, which is substantially parallel to said second clamping face so as to reduce bending stress on at least one of said clamping structure, said clamp body or said guide carrier.

26. (Currently Amended) An adjustable pocket drilling fixture comprising:
a base having a base face adapted to engage a workpiece;
a clamp body having a first clamping face;

Appln No. 10/668,659

Amdt date September 7, 2006

Reply to Office action of May 23, 2006

a clamping structure interengaging said clamp body and said base, said clamping structure including a clamp actuator to move said clamp body, ~~wherein said clamp body is positioned near a first end of said base;~~

a guide carrier disposed on said base and having a second clamping face which is substantially perpendicular to said base face, and

at least one drill guide disposed in said guide carrier, said drill guide having an axis which is adapted to ~~angularly~~ slantly intersect two adjoining surfaces of the workpiece, wherein said clamp actuator is positioned at an opposite side from said clamp body with respect to said second clamping face and adjacent to ~~said second end of~~ said base so that clamping and drilling the workpiece can be accomplished on the same side.